



DEPARTMENT OF THE ARMY
CHICAGO DISTRICT, CORPS OF ENGINEERS
219 SOUTH DEARBORN STREET
CHICAGO, ILLINOIS 60604

NCCOD-P
4477305

22 March 1974

Mr. Donald A. Wallgren
Federal Activities Coordination Branch
Surveillance and Analysis Division
U. S. Environmental Protection Agency
One North Wacker Drive
Chicago, Illinois 60606

Dear Mr. Wallgren:

U. S. Steel Corporation, Pittsburgh, Pennsylvania, has submitted an application for a Department of the Army permit to conduct maintenance dredging at the Gary Works Plant, Gary, Indiana.

We will be issuing a public notice for the proposed work very shortly. To provide you with advance notice of the proposed dredging, inclosed are copies of the drawings and a bottom sediment analysis which we requested, of areas to be dredged.

Sincerely yours,

A handwritten signature in dark ink, appearing to read "James P. Jones", is written over the typed name.

JAMES P. JONES
Chief, Operations Division

- 2 Incl
1. Drawings
2. Analysis

N
4

LAKE MICHIGAN

ALL ELEVATIONS AND SOUNDINGS
ARE IN FEET AND REFER TO LOW WATER
DATUM FOR LAKE MICHIGAN ELEVATION
576.8 FEET I.C.L.D. (1955)

APPROXIMATELY 60,000 CUBIC YARDS
TO BE DREDGED & DEPOSITED BEHIND
BULKHEAD AS SHOWN



LAKE
MICHIGAN

AREAS TO BE DREDGED
TO -30'-0" L.W.D.

HARBOR

PRESENT SPILLWAY TO BE CLOSED

BULKHEAD ELEVATION + 7.5' L.W.D.

DREDGED MATERIAL
TO BE DEPOSITED

2,420'

PRESENT
SHORE LINE

AREAS TO
BE DREDGED
TO -27'-0" L.W.D.

SLIP

9,698'

1,845'

TURNING
BASIN

PLAN

0 500 1000 2000

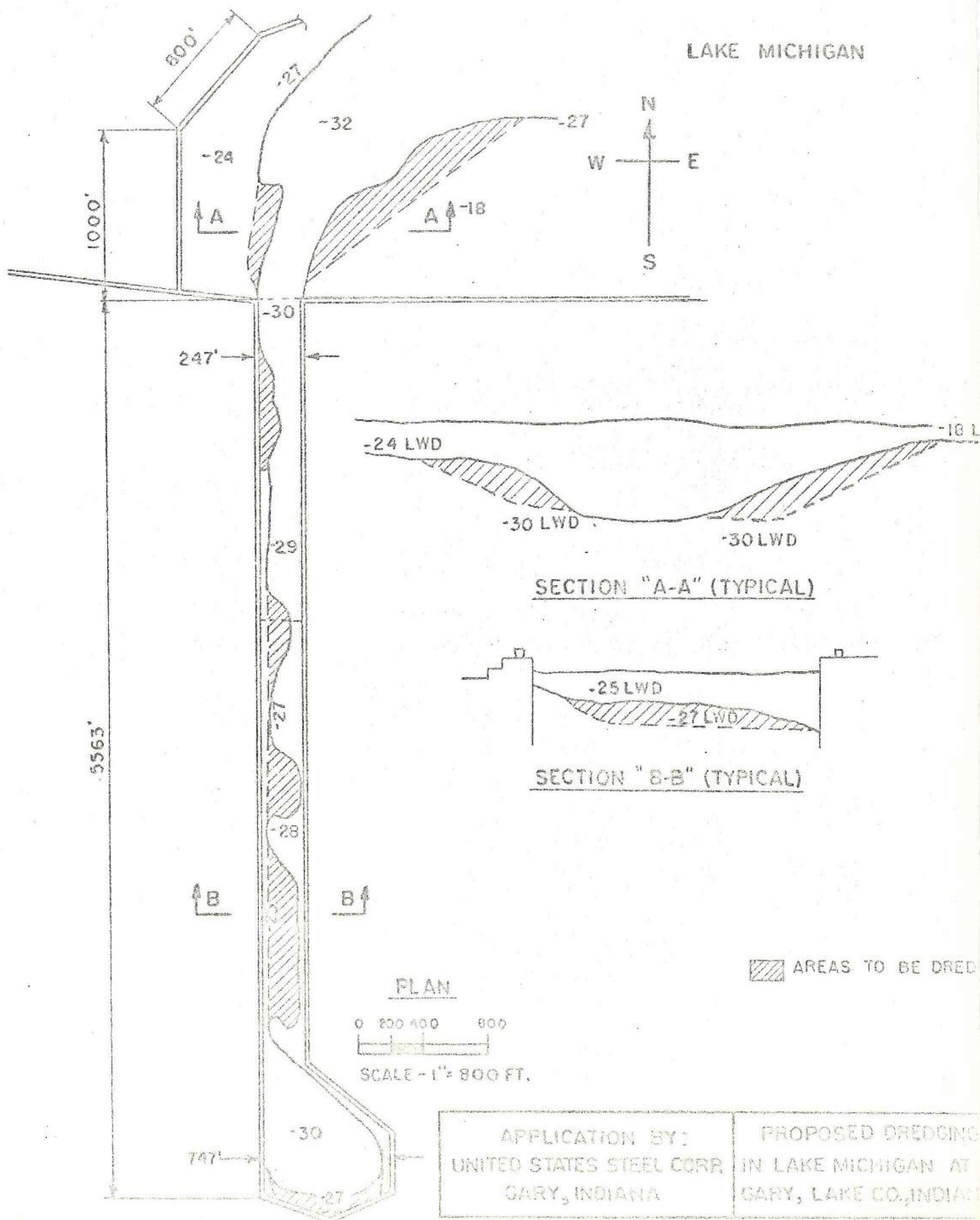


SCALE-1"= 2,000 FT.

SPILLWAY TO BE
INSTALLED BY PLACING
APPROXIMATELY FOUR-
24" PIPES THROUGH THE
DIKE

APPLICATION BY:
UNITED STATES STEEL CORP
GARY, INDIANA

PROPOSED DREDGING
IN LAKE MICHIGAN AT
GARY, LAKE CO., INDIANA

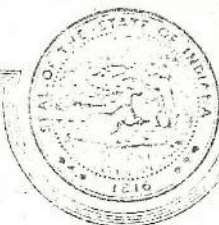


UNITED STATES STEEL CORPORATION
GARY WORKS WATER QUALITY CONTROL LABORATORY
COKE AND CHEMICALS DIVISION

Harbor and Slip Bottom Samples taken by Dames and Moore

Identity of Sampling Point	Sample #1	#2	#4	#5	#6	#7	
Date Sample Obtained	2-12-74	2-12-74	2-13-74	2-13-74	2-13-74	2-13-74	
Date Sample Received at Laboratory							
Type of Sample							
Frequency of Sampling							
Flow m.g.d.							
ANALYSIS	ANALYST	ppm*	ppm*	ppm*	ppm*	ppm*	ppm*
Temperature, °C							
pH Value							
Biochemical Oxygen Demand							
Chemical Oxygen Demand		42,034	17,208	25,920	12,646	40,837	30,606
Dissolved Oxygen							
Phenols, ppb		560	878	938	913	711	835
Cyanides							
Oils and Greases	1500	780	510	1,277	287	990	310
Suspended Solids							
Dissolved Solids							
Settleable Solids, ml/l							
Total Solids Wt. %		69.8	80.1	79.6	78.9	69.3	71.5
Ammonia-N ($\text{NH}_3\text{-N}$)		97.6	40.2	36.1	47.2	148.2	131.9
Organic - N							
Sulfate (SO_4^{--})							
Chloride (Cl^-)							
Conductivity umhos/cm@25°C							
Iron (Total) Wt. %		3.26	2.05	0.91	0.77	1.44	1.42
Color (True), units							
Fecal Strep. n/100 ml							
Coliforms n/100 ml							
Volatile Solids Wt. %		3.6	3.3	0.9	0.9	3.1	2.8
Phosphate		1.09	0.82	2.07	2.93	0.96	1.16

STATE OF INDIANA



INDIANAPOLIS 46206

STREAM POLLUTION CONTROL BOARD

1330 West Michigan Street
633-4420

October 9, 1973

Mr. H. J. Dunsmore
Director - Environmental Control
U. S. Steel Corporation
600 Grant Street
Pittsburgh, Pennsylvania 15230

Dear Mr. Dunsmore:

Re: Dredging, Slip and Harbor
U. S. Steel, Gary, Indiana

We have examined your application for permission to dredge the slip and harbor at your Gary, Indiana works. The spoil material would approximate 60,000 cubic yards of sand and clay and would be deposited behind a bulkhead along the shore line of Lake Michigan, immediately to the east of the slip.

We have no objections to the dredging operation but must insist that the operations be conducted by hydraulic cutter head style dredge with the spoil material transported by pipeline to the proposed fill area. We will not permit use of clam shell buckets nor the use of dump bottom barges. Approval must also be obtained from the Department of Natural Resources. It is your responsibility to determine if an NPDES Permit is required for this discharge.

We also ask that a daily sample of the water returning through the spillway be sampled and an analysis be run for oil, free iron, and suspended solids, and filed monthly with our office.

Please submit the details of the dredging procedures to this office for clearance before dredging commences.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Oral H. Hert".

Oral H. Hert
Technical Secretary

RJCleaton/cab

cc: Department of Natural Resources
Corps of Engineers